

# PATENT ABSTRACTS OF JAPAN

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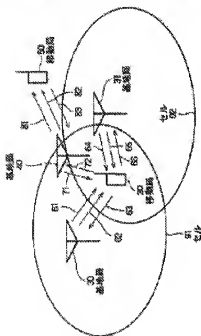
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(71)Applicant : NEC CORP

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## (54) CELLULAR SYSTEM, ADJACENT FREQUENCY INTERFERENCE EVADING METHOD THEREFOR, MOBILE STATION AND BASE STATION CONTROL APPARATUS



### (57)Abstract:

**PROBLEM TO BE SOLVED:** To suppress an increment of adjacent frequency interference power due to an increase in a frequency switching rate of adjacent frequency interference evading control, and to suppress an increment of a control load of frequency switching due to the increase in the frequency switching rate of the adjacent frequency interference evading control.

**SOLUTION:** In a method for evading adjacent frequency interference, a mobile station 20 measures received power of downlink signals from base stations 30 and 31 of the cellular system to which the station 20 belongs, and received power of a downlink signal from a base station 40 of another cellular system respectively, and switches a frequency band used by the station 20 if a ratio of both the results is equal to or more than a

prescribed judgment threshold value. In this method, the measured result of the received power of the downlink signals from the stations 30 and 31 is corrected by using information about the received power of perch channels 62 and 65 transmitted from the base stations. Further, the judgment threshold value is corrected by channel connection information of the station 20.